

EAB

VIDEOLAB®

SYNCHRONOUS CONTROL RAMPS



UP TRIG CONTROL SOURCE

ON  
PST  
CLP

RATE

KEY SOURCE

IN 1

IN 2

SOFT  
KEY EDGE  
HARD

KEY SOURCE

IN 1

IN 2

SOFT  
KEY EDGE  
HARD

QUAD TRISTABLE LOGIC SOURCE



G

BUFFERED CONTROL POTS

module-A

PATENT PENDING CIRCUITRY AND DESIGN OF EAB

DUAL LOGIC UNIT

CONTROL AMP

CONTROL AMP

EAB

VIDEOLAB®

6x6 LINEAR KEY MATRIX

1 2 3 4 5 6

IN LOC OUT

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

FOUR LEVEL LINEAR KEYING COLORIZER

1 2 3 4

W.H. 0 0 0 0

K4 1 2 3 4

K3 0 0 0 0

K2 0 0 0 0

K1 0 0 0 0

HUE HARD

43 0 0 0 0

32 0 0 0 0

21 0 0 0 0

KEY EDGE

SOFT

EFFECTS AMP

OPTIONS

PATENT PENDING CIRCUITRY AND DESIGN OF EAB

OUTPUT KEVER/FADER

FADE

A A B B

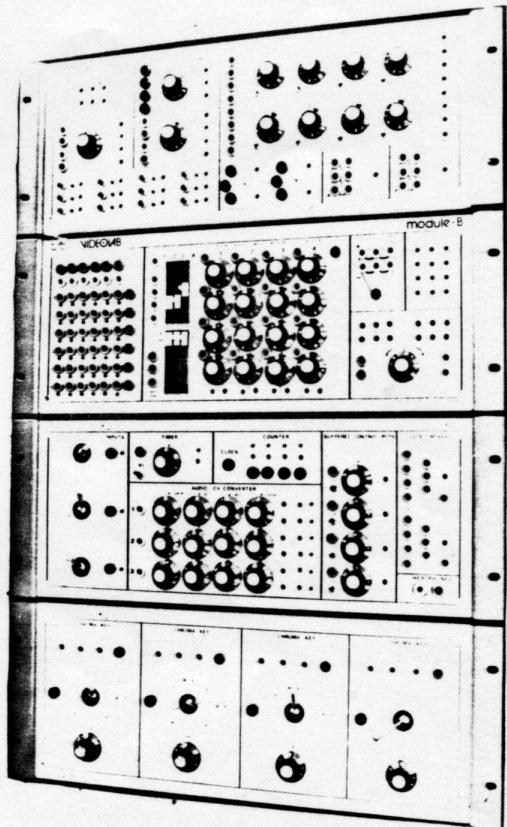
# ELECTRONIC ASSOCIATES OF BERKELEY

ELECTRONIC DESIGN AND DEVELOPMENT

2940 GROVE ST., BERKELEY, CALIF. 94703 415 848-6121

## THE VIDEOLAB SYSTEM

A HIGHLY FLEXIBLE, COMPLETE  
LOW COST, MODULAR  
VIDEO SYNTHESIZER

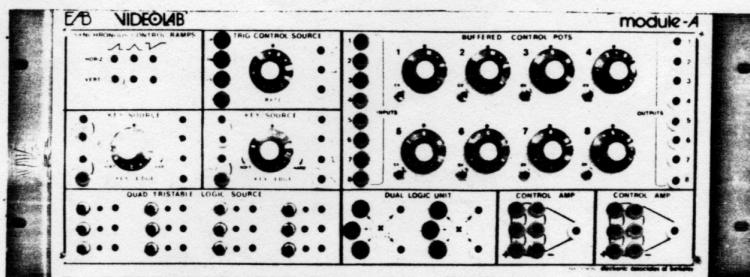


The EAB Videolab is a voltage controlled video synthesizer. The function of the Videolab is to accept up to six video images and to provide the user the capability of switching, combining, and modifying these images in a wide variety of ways. Some of the image techniques available to the Videolab user include multi-level keys, mattes, fades, dissolves, wipes, multi level split screens, colorizing, vertical interval switching, and optionally, chroma keying. All special effects, including colorizing, can be done with soft edge keying, if desired. Thus the EAB Videolab, utilizing patch cords and voltage control, combines in one compact package the functions of Genlock, Switcher, Special Effects Generator, Colorizer, and Processing Amplifier.

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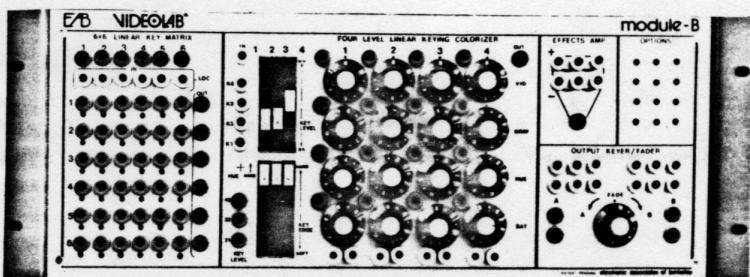
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VIDEOLAB MODULES



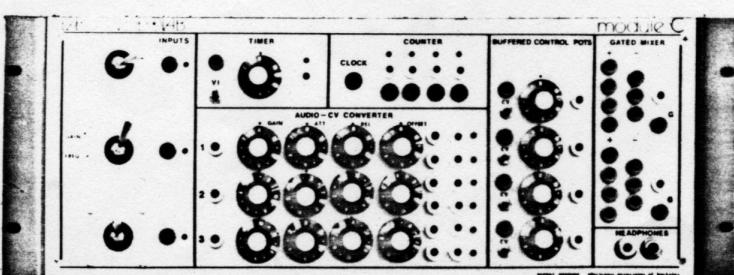
1. THE BASIC SYSTEM

Modules A and B are used together and provide Genlock, Switcher, SEG, and Colorizer features. These units are capable of producing most standard and many novel special effects.



2. MUSIC INTERFACE

Module C interfaces the basic system to any sound source and provides for producing automatic sequences of video effects.



3. CHROMA KEYER

Module D provides the Videolab system user with four independent downstream chroma keyers utilizing joystick control. These units are fully color compensated and require no external delay lines.

